Maintenance schedule for Vigienose system

			First installation	Every day	Every 2 weeks	Every 3 months	After 1 year	After 2 years	After 3 years	After 4 years	After 5 years
Air Generation module		Check the outlet pressure (stability, value, ...) : 3 bars	✓			✓					
On each of the 2 analytical modules	General remarks	Check there is no leak on the Air circuit					✓				
		Check the head column pressure : P expected = 177hPa (value, stability)	✓			✓					
		Check the cabin temperature (35°X max), the permeation oven temperature (60°C) and the column temperature (60°C)	✓			✓					
		Start automatic internal calibration		✓							
		Start a calibration using an external cylinder (recommended)	✓ if an external calibration gas mixture is available				✓				
		Check the chromic acid level in the tank. Add deionised water if needed	✓			✓					
	Electrochemical detector	Be sure the glass detector is still installed well in the tank: no dust, no bubble, good level of acid in the detector (by capilarity)	✓			✓					
	PID detector	Check on the chromatograms relative to the PID calibration. If the sensitivity is too low, clean the PID lamp following the Chromatotec procedure.				✓					
		After cleaning the PID lamp, check again the sample flow, to be sure the lamp is in the good position (noi leak).	✓				✓				
		Check the zero air flow crossing the sample dryer (0.2L/min on the rotameter)	✓			✓					
	Sample path	Check the sample flow in injection and sampling mode (100mL/min)	✓			✓					
		Check the vacuum done by the sampling pump					✓				
		Retention times check - adjustment of the retention times	✓		✓						
	On the chromatograms	Response factors check for each sulfur compound	✓ if an external calibration gas mixture is available				✓				
		Check of the BS stability on the Medor Check the BS stability on the PID module	✓			✓					
		Check the chromatograms drawings is correct : no erratic signal, nice peaks, ...	✓		✓						
On the multiplexing system	Condensation tanks	Empty the water contained in the condensation bottles Clean the bottles if dirty		✓							
		Check there is no leak on the condensation bottles (same sample flow before and after the tank)	✓				✓				
	Sample streams selection	Check all the streams are selected properly	✓				✓				
On the internal calibration module		Measure the two flows crossing the internal permeation oven, using an external flowmeter	✓			✓					
		Check the permeation oven temperature	✓				✓				
Replacement of the parts of the preventive maintenance kits		Preventive maintenance kit 1 year					✓	✓	✓	✓	✓
		Preventive maintenance kit 2 years						✓		✓	
		Preventive maintenance kit 3 years							✓		
		Preventive maintenance kit 5 years									✓